

19991204.qrp v01_n659.qrl.991204

Date: Sat, 4 Dec 1999 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1659

QRP-L Digest 1659

Topics covered in this issue include:

- 1) [57287] N/T+ FOX KB9TIQ
by "Terry Bassett" <mutabut@net66.com>
- 2) [57288] Re: Kantronics 8040B Receiver
by Ray Colbert <af852@rgfn.epcc.edu>
- 3) [57289] QRP ARCI
by Mark R Milburn <kq0i@juno.com>
- 4) [57290] Diode source?
by Roger Hightower <n7kt@earthlink.net>
- 5) [57291] RE: Kenwood CW Filter
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 6) [57292] Re: QRP SWR Bridge. Need schematic.
by Joe Everhart <n2cx@voicenet.com>
- 7) [57293] Re: FYI: Follow-up to my Virus Post
by Dave Sjolin <sjolin@swbell.net>
- 8) [57294] circuit help needed -brain not working
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 9) [57295] Re: FYI: Follow-up to my Virus Post
by Norm Melick <henmel@worldnet.att.net>
- 10) [57296] HB: 2.1mm co-axial power cord
by Rod J Johnson <ka7you@juno.com>
- 11) [57297] Homebrew Contest Reminder
by Randy Foltz <rfoltz@turbonet.com>
- 12) [57298] Re: 2.1mm co-axial power cord
by "Radman" <radman@best.com>
- 13) [57299] Re: Diode source?
by gsurrency@juno.com
- 14) [57300] Re: 2.1mm co-axial power cord
by gsurrency@juno.com
- 15) [57301] N7RR Final Fox Log 1999-11-30
by "Bruce Prior" <n7rr@hotmail.com>
- 16) [57302] virus warnings and other thoughts
by "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>
- 17) [57303] euramcom website
by "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>
- 18) [57304] Re: Celebrating the new millennium
by "Chuck Carpenter" <w5usj@globeco.net>
- 19) [57305] Small Wonder Labs DSW rigs

by John F Rayfield <kr0y@juno.com>
20) [57306] Re: Small Wonder Labs DSW rigs
by "T. E. 'Doc' Drake" <w5tb@SoftHome.net>
21) [57307] Re: Small Wonder Labs DSW rigs
by jmbrown@edge.net (JERRY BROWN)
22) [57308] 2N2/40 gets "Hearing Aids"
by Timothy Herron <drboom@bright.net>
23) [57309] Re: Small Wonder Labs DSW rigs
by "Rod Cerkoney" <rlc@fiii.com>
24) [57310] Re: Regen Stuff
by "Nick Kennedy" <nkennedy@cswnet.com>
25) [57311] shoot..
by sergio <sruiz@bright.net>
26) [57312] RE: shoot..
by "Dan W. Dooley" <dandooley@pipeline.com>
27) [57313] Re: Regen Stuff
by w4bws@juno.com
28) [57314] SAFETY: Re: shoot..
by Bill B Lazure <n2tpa@juno.com>
29) [57315] RE: Small Wonder Labs DSW rigs
by "Ed Tanton" <n4xy@att.net>
30) [57316] Re: Small Wonder Labs DSW rigs
by david fouchey <dafouchey@home.com>
31) [57317] RE: Small Wonder Labs DSW rigs
by "Dan W. Dooley" <dandooley@pipeline.com>
32) [57318] FOXHUNT:Team Scores
by Bruce Rattray <ratttray@gpfn.sk.ca>
33) [57319] FOXHUNT:Team Scores
by Bruce Rattray <ratttray@gpfn.sk.ca>
34) [57320] FOXHUNT:Team Scores
by Bruce Rattray <ratttray@gpfn.sk.ca>
35) [57321] ARK-40 pwr plug?
by James Skalski <jskalski@localnet.com>
36) [57322] Scope manual help
by Roger Hightower <n7kt@earthlink.net>
37) [57323] Re: SAFETY: Re: shoot..
by Monte Stark <ku7y@dri.edu>
38) [57324] AL7FS at KL7Y station on Sunday 12/5/99
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
39) [57325] paddles for straight key sender?
by "ME Pendergast" <kt4an@hotmail.com>
40) [57326] Re: Scope manual help
by Roger Hightower <n7kt@earthlink.net>
41) [57327] WTB: Sierra
by "Tom Scott" <tscott@eni.net>
42) [57328] Re: SAFETY: Re: shoot..
by "Mike Yetsko" <myetsko@insydesw.com>
43) [57329] Air Variable Cap kits?...

by "Tom Scott" <tscott@eni.net>
44) [57330] WTB: Remote Antenna Switch
by M Goins <mgoins@usa.net>
45) [57331] Re: Small Wonder Labs DSW rigs
by GElam30092@aol.com

Date: Fri, 3 Dec 1999 18:12:39 -0600
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57287] N/T+ FOX KB9TIQ
Message-ID: <000301bf3dec\$470d66a0\$175e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

Tony, KB9TIQ, will be on Saturday evening, the 4th of December 6-8pm local time, 0000 - 0200 Sunday UTC. He assures me that he will start out around 7106-7. He'll have the same equipment as last week. TT 21, Dipole, WM2, Atomic Keyer and Poor Man's Paddles. QTH is 20 miles due South of Champaign-Urbana, Illinois.

Last week, he made one completely accurate QSO and one partial. We have went over how to use the filter selection and RIT and Tony has a better understanding of how to operate.

He is looking forward to any and all QSO's. I hope that you will find it possible to work him.

72 es tn timer

Terry, KA9TXE East Central Illinois

Date: Thu, 02 Dec 1999 01:21:52 -0700
From: Ray Colbert <af852@rgfn.epcc.edu>
To: drcase@iastate.edu
Subject: [57288] Re: Kantronics 8040B Receiver
Message-ID: <38462C20.6C03E03D@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Dan - you may have already gotten lots of mail about this

but thought I would drop you a note anyway. It was part of a qrp station system done by Kantronics - the digital interface manufacturer out of Kansas (I think) Time period was the late 70's and there was also a matching transmitter - crystal controlled and about 4 or 5 watts. I believe they later came out with a crystal eliminator (vfo) to work with it after the novice/tech group got hf vfo privileges. I think Kantronics is still in business and you might try them for more tech data if you don't have it. Also, I believe Jim Cates, WA6GER, of NORCAL and also a member of qrp-l may have additional info as I think he has had this type item in the past.

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Fri, 3 Dec 1999 19:33:21 -0600
From: Mark R Milburn <kq0i@juno.com>
To: qrp-l@lehigh.edu
Subject: [57289] QRP ARCI
Message-ID: <19991203.193539.-289383.1.KQ0I@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

DX and Canadians members can now use credit cards!

After much discussion and planning, QRP ARCI has now made arrangements with Bill Kelsey of Kanga to accept credit card payments for QRP ARCI subscription/memberships. The first step will be a test phase for DX and Canadian members only. After we make sure that all the minor bugs are smoothed out, it is likely that the process will be extended to all members.

The process starts with using the internet to access the QRP ARCI home page at <http://www.qrparci.org> After the home page opens, you click on "join/renew" to go to the application form and instructions. There is a section marked "DX Credit Card Window" and by clicking on that section, you will be shown the new credit card application form. Fill that form out and click on the "submit" button and your membership will be recorded and your credit card will be charged. VISA and MasterCard are the only cards being accepted for now.

This is not a "secure" program with the necessary encryption. We have been assured that the risk involved is extremely minimal, but the risk is with the member. For those who find that risk unacceptable, at the home page there is also a set of instructions where you can email or telephone Bill, give him your information, and your membership will be updated and your credit card charged.

Because of different currencies around the world and the difficulty the banking system has in handling all of them, DX memberships have always been a bit of a problem, both for the members and for the club. We hope that this step will now make it much easier for our DX fellow enthusiasts to join, renew, and enjoy the benefits of QRP ARCI membership.

72 Mark KQ0I
Secretary/Treasurer QRP ARCI

Date: Fri, 03 Dec 1999 18:45:45 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>, ELECRAFT <elecraft@qth.net>
Subject: [57290] Diode source?
Message-ID: <38480FD9.AF9E4CE2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can anyone point me to a source for 1N191 and 1N198 diodes? I can't find them locally, or in the Mouser catalog. Can I use NTE 109's instead?

My internal wattmeter is way off from the readings of the WM-2 and I'd like to at least get them close.

Tnx/72...Roger

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Fri, 03 Dec 1999 21:01:36 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [57291] RE: Kenwood CW Filter
Message-ID: <38487600.50BCD13A@home.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've used a Fox Tango filter in my TS-520 (similar to the International unit) and a narrow CW filter is well worth the investment for a serious Code OP.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Fri, 3 Dec 1999 21:55:24 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: aturner13@mindspring.com
Cc: qrp-1@Lehigh.EDU
Subject: [57292] Re: QRP SWR Bridge. Need schematic.
Message-ID: <199912040255.VAA239034@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi!

I have several possibilities to recommend.

First you might check out the Rainbow Tuner as described on the NJQRP web page at njqrp@njqrp.org. It has an automatic-indicating QRP SWR bridge that features a built-in 6 dB attenuation while in use (and no loss when switched out) to protect your transmitter during tuneup.

Second, check out the ScQRPion (SP?) SWR bridge designed by Dan Tayloe and detailed on the KI7MN web page. This is a handy gadget with the same resistive bridge but it uses a single LED as an indicator. Very clever design that is also incorporated into the EMTECH ZM-2 Z-match tuner.

I beleive there is a similar design on the G3YCC web site.

Finally, you can protect your transmitter when using *any* QRP SWR bridge

if you add a 6 dB resistive attenuator between the rig and SWR bridge.
It can be easily switcyhed out once tuneup has been completed to eliminate
the loss. And when switched in, it limits the SWR your rig sees to 2:1
or less.

Good luck and...
72/73,

Joe E., N2CX

You queried:

>Can anyone recommend a good circuit for a SWR bridge that offers some
>protection for the rig when tuning. Most of my antennas need a tuner and I
>want the rig to see as close to 50 ohms as possible. Thanks.
>
>N4BYJ

Date: Fri, 03 Dec 1999 21:20:12 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: henmel@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57293] Re: FYI: Follow-up to my Virus Post
Message-ID: <3848886C.777717FD@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Norm Melick wrote:

>
> Then what are you suggesting? You are the one who reacted
> so rudely.
> If you don't like what you read, set up a kill file. Don't
> tell me what I can read
> and what I cannot read, and quit treating the other members
> of this form with so much
> contempt and rudeness.

Thank you Norm for your display of love and respect.

If virus warnings are allowed, does this mean I can now discuss
political topics here since some members may want or need to hear about
them? I dont think so. If we can't get back to qrp, can we atleast get

back to radio. This thread has gone on far too long.

73 de Dave, N0IT

Date: Fri, 3 Dec 1999 19:24:48 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [57294] circuit help needed -brain not working
Message-ID: <199912040324.TAA13103@netcom.com>

I need to have an LED light when the voltage across a resistor is above 2.5 to 3 V, but not be lit when the voltage is at 1.7 V.

What do I need here?

73, doug

Date: Fri, 03 Dec 1999 19:32:55 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57295] Re: FYI: Follow-up to my Virus Post
Message-ID: <38488B67.EDB4E0B5@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Sjolin wrote:

> Thank you Norm for your display of love and respect.

Obviously you mis-read my post. I'm fed up with Yetsko's rudeness and bad manners.

> If virus warnings are allowed, does this mean I can now discuss
> political topics here since some members may want or need to hear about
> them?

It isn't for me to decide, and certainly not you or Mike Yetsko.

>I dont think so.

You can have your opinion.

> If we can't get back to qrp, can we atleast get
> back to radio. This thread has gone on far too long.

Then make a kill file.

Norm

Date: Sat, 04 Dec 1999 00:36:05 EST
From: Rod J Johnson <ka7you@juno.com>
To: QRP-L@LeHigh.EDU
Subject: [57296] HB: 2.1mm co-axial power cord
Message-ID: <19991203.223940.17655.0.ka7you@juno.com>

I just received my latest order from All Electronics
(www.allelectronics.com), and was very pleasantly surprised at the
quality of a "heavy duty lighter cord" cat# CLP-39.

It is made of 4 feet of 18 guage black zip cord, with a quality
cigarette lighter plug on one and a 5.5 x 2.1 mm co-axial molded power
plug on the other end. The price is \$1.25 each.

I'm always looking for inexpensive 2.1 and 2.5mm co-axial power plugs
for my QRP accessories, and they have quite a selection.

But there is one item which I cannot figure out. Why would anyone
build an 8 foot zip cord with a 2.5mm co-axial plug on one end, and a red
LED on the other end. There is no current limiting resistor, just the
LED wired to the two leads on the 8' cord... seems strange, but for a
cord and molded plug at 50 cents, it is hard to beat.

Usual disclaimers apply

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
80M thru 10M with K2 s/n268 and other fine QRP rigs.
VHF thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 03 Dec 1999 21:56:02 -0800
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp-l@lehigh.edu

Subject: [57297] Homebrew Contest Reminder
Message-ID: <3848ACF2.D6CFD4A8@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang.

A reminder that Sunday December 5, 1999 is the last ARCI QRP contest of the year. When you've finished hanging the Christmas lights and mall shopping, settle back and have some time with your QRP rig and QRP friends.

After operating anywhere from 10 minutes to the full duration of 4 hours of the contest, and send a report of your scores and your soapbox to <http://www.qrparci.org/form1.htm>.

Read the soapboxes at <http://personal.palouse.net/rfoltz/soapbox.htm>.

Each day for two weeks I'll update the high claimed scores on <http://personal.palouse.net/rfoltz/highclm.htm> by 9 PM PST. Check in to see how your effort compares to others.

QUICK SUMMARY:

When: Sunday December 5, 1999
Time: 2000Z - 2400Z
Exchange: S/P/C Member # or Power if not member of ARCI
Fq: Usual QRP calling fqs
Bonus points for using homebrew rig

DETAILED RULES:

Holiday Spirits Homebrew Sprint, Sponsored by QRP ARCI

Date/Time: Dec. 5, 2000-2400Z. CW only, 6M thru 160M.

Exchange: RST, SPC (State/Province/Country), and ARCI number.
Non-members send power out.

Categories: All-Band, Single Band, High Bands, Low Bands,
DX, Portable.

Suggested Frequencies: Near QRP calling freqs.

QSO Points:

Member = 5pts,

Non-Member Diff. Continent = 4 pts,
Non-Member Same Continent = 2 pts.

Multipliers:

- SPC Totals (for each band, count each SPC once per band).
- Power: <250mW = X15, 250mW-<1W = X10, 1W-5W = X7,
>5W = X1.

HB Bonus Points:

- +2000 pts for HB transmitter,
+3000 pts for HB receiver
+5000 pts for HB transceiver.
- Bonus points for using HB gear apply to each band on
which you make a QSO with HB gear.

Example: Sierra makes QSOs on 4 bands = 20,000 bonus pts.

Homebrew Definition: If you built it, it's HB.

Score:

(QSO pts X SPC total (all bands) X Power multi) + Bonus pts.

Log Submission:

Entries are due within 30 days after the contest. Include a summary of your results, rigs used, callsign, ARCI member number (if applicable), station location and description, power used on each band. The highest output power used will determine the power multiplier. Output power is considered half input power.

Entries via email are welcome in ASCII-text format to <rfoltz@turbonet.com>. Mail paper logs to Randy Foltz K7TQ, ATTN: HB Sprint, 809 Leith St, Moscow, ID 83843.

Randy
K7TQ

Date: Fri, 3 Dec 1999 22:07:13 -0800
From: "Radman" <radman@best.com>
To: <ka7you@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57298] Re: 2.1mm co-axial power cord
Message-ID: <109901bf3e1d\$d5880c60\$94dd56ce@vip.best.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rod ponders:

>I just received my latest order from All Electronics
www.allelectronics.com<

>Why would anyone build an 8 foot zip cord with a 2.5mm co-axial plug on one end, and a red LED on the other end. There is no current limiting resistor, just the LED wired to the two leads on the 8' cord... seems strange, but for a cord and molded plug at 50 cents, it is hard to beat.<

Rod,

I can't see the "logic" in that circuit either ;) Hmmm, an extension cord with "flash bulb?" Guess that's why they're only 50 cents ;) Great price... think I'll order some :-))

tnx es 73,

Conrad - NN6CW

Date: Fri, 3 Dec 1999 23:26:20 -0700
From: gsurrency@juno.com
To: n7kt@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [57299] Re: Diode source?
Message-ID: <19991203.232620.-225461.5.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Roger,

I tried the 1N191 diodes in my K2 and found that I liked a 1N34A better than I selected from a pack of them that Radio Shack sells. Just insert each one and pick the one that has the most output voltage at D9's cathode on 10m without changing the Power setting. Use the key to put the rig into TX, as the output level changes much more when repeatedly using the Tune button. Solder in the selected diode and change R68 to 220 ohms.

If you still have to have a 1N191, I think I have one or two left you are welcome to, since we live close to each other, but they are "pulls" from some of my Heathkit parts stash (that's all I have - honest guys!). I tried the NTE109 and it was no better than some of the 1N34A's that I culled out during the R/S diode selection, so I wouldn't waste my money on them when you can get a whole pack of the same type of diode from R/S for less money. YMMV.

Hope some other K2'er's try this and report their findings. It doesn't take long to do the test and selection, and I found it worked well at both high and low Power settings. The ultimate solution is when the ATU is installed, or when Wayne changes the firmware in the future. But just selecting a diode with good high freq. response and low forward drop is as good as anything for right now, IMHO.

I see no reason to insist on a genuine 1N191, based on my findings.

Lessee now, I need to corner the market on Yaesu knobs and 1N191 diodes.....

73,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 3 Dec 1999 23:32:38 -0700
From: gsurrency@juno.com
To: radman@best.com
Cc: qrp-l@Lehigh.EDU
Subject: [57300] Re: 2.1mm co-axial power cord
Message-ID: <19991203.233238.-225461.6.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

And if you find the exposed portion of the plug is too short for some power jacks, you can often use a sharp knife to carefully trim back the molded plastic on the plug. Do it a little bit at a time, cutting around the plug circumference, until the plug seats OK in the jack. Remove the thin ring of plastic you just cut through, and see if it fits. I've done that to several of those type of cord assemblies with good success. Just

don't cut too much and hit the terminals inside the moulded strain relief.

73,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 03 Dec 1999 22:51:09 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Cc: prvalko@oakland.edu, rattray@gpfn.sk.ca
Subject: [57301] N7RR Final Fox Log 1999-11-30
Message-ID: <19991204065109.76869.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

1999-11-30 N7RR fox WA BRUCE 1688

TIME Z CALL RST SENT RST RCVD QTH NAME QRP-L#

0203	KU7Y	559	NV	RON	17		
0204	VE7CQK	579	559	BC	PAUL	20	
0207	KB7WW	449	559	OR	ART	290	
0211	NQ7X	559	AZ	FLOYD		343	
0212	AK1P	449	579	CA	PAUL	284	
0215	K0EVZ	559	589	ND	DOC	861	
0216	N5TW	449	559	TX	TOM	1474	
0217	WW7Y	559	559	UT	STEVE	94	
0218	WD8KQY	559	449	OH	GARY	446	
0220	K0PC	559	559	MN	PAT	1964	
0221	K1MG	559	579	CA	MIKE	614	
0223	VE6EWM	559	579	AB	EARL	1076	
0224	N6WG	579	559	CA	BOB	26	
0225	KI0G	559	559	CO	BOB	239	
0226	VE5RC	449	339	SK	BRUCE	886	
0227	KI0II	559	549	CO	RON	928	
0228	WE6W	559	569	CA	ED	1068	
0229	N0AR	449	559	MN	SCOTT	1455	
0231	AB5UA	319	339	OK	CLIF	478	
0234	K1JD	559	559	RI	JOHN	1945	
0236	N9KW	559	549	IL	JOHN	1257	

0237	K7TQ	449	579	ID	RANDY	102
0239	W5TFB		449	559	TX	JACK 282
0241	W8SFF		449	559	MI	STEVE 1288
0242	K8CV	449	559	MI	WALT	935
0244	KI7MN		559	449	AZ	BOB 271
0246	N1LN	559	559	TX	BRUCE	2049
0247	NK6A	559	559	CA	DON	1517
0249	N0RN	559	559	CO	BOB	1789
0251	NW7DX		559	559	WA	BEN 1892
0253	AB7CE		559	599	MT	ROY 1494
0255	N4ROA		449	449	VA	DAN 970
0257	WS4S	319	429	TN	CONARD	993
0258	K7RE	559	559	AZ	BRIAN	404
0259	AB0G0		449	559	CO	DAVE 785
0301	N9AW	449	449	WI	JERRY	1271
0304	AB7MY		449	449	AZ	GARY 571
0305	N0RC	559	449	CO	ROD	1764
0307	AF5Z	559	579	TX	BOB	984
0307	W8RU	559	449	MI	RON	188
0309	W0CH	439	339	MO	DAVE	618
0311	AC7BQ		559	539	AZ	MIKE 2076
0312	N0EA	559	559	MO	WAYNE	1058
0314	N6XU		559	599	CA	STAN 66
0317	AE4Y	319	339	GA	KENT	1844
0324	N0EHW		439	329	MO	TIM 2047
0326	AK7Y	319	559	AZ	GREG	1693
0328	NK9G	449	559	WI	RICK	2061
0330	N4DD	439	559	TN	DENNIS	1242
0331	N0DT	439	559	MO	DAN	1004
0333	KQ5U	439	559	TX	TERRY	1603
0334	AE2T	439	219	NY	AL	1664
0336	KC1FB		449	449	CT	JIM 29
0338	KR0I	559	339	MO	MAC	1037
0340	VE3JC		439	559	ON	JOHN 744
0342	KF2PH		439	359	NY	NICK 13
0345	K5DW	449	449	TX	DON	2083
0346	N1TP	319	339	FL	TOM	1317
0352	K5LN	319	559	TX	BILL	1794
0355	N5IW	319	559	TX	DAVE	1718
0357	AJ4Y	449	339	FL	PAUL	1795

72, Bruce Prior N7RR in Blaine, WA CN88px

 Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 04 Dec 1999 10:55:44 +0000
From: "Mel Evans, Registered Arachne User" <mel@euramcom.freemove.co.uk>
To: qrp-1@lehigh.edu
Subject: [57302] virus warnings and other thoughts
Message-ID: <E1luCru-0001MB-00.1999-12-04-10-56-46@cmailg3.svr.pol.co.uk>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gangue,

I usually don't get myself involved in this type of discussion, but I am a member of three other lists. These are, this one, ham radio, CLIC, a list for campers and caravanners, and a list for web designers.

On all three lists there are flame wars about something. Here just now it is about virus warning, on the caravan list it is about allowing jokes, and on the web design list it's about commercial sales announcements.

All these are OT for the particular list! All three produce the same sort of arguments and flaming as is going on here.

Can I suggest you take it all off list guys? If somebody posts about a virus (or in my case, my Christmas Card to you all VBG *8>) and you don't want/like it, hit the delete button.

Then count to ten, leave it till next day, and then decide if it's worth flaming somebody about. In most (about 100%) cases next day's cold light will let you see life's too short to worry about stuff like this.

It's TOO TOO easy to dash off a scathing/insulting/deprecating reply on the internet, there and then! If you really MUST do it, put it in your outbox for 24 hours, then take it out and read it again, you'll cringe at your own comments most of the time, I can assure you.

Soapbox/Hustings mode OFF.

Regards from the land of the Haggii

Visit <http://www.santamail.freemove.co.uk> to send a note to Santa

Arachne, the Internet Suite and "QRP" Browser for DOS, supports tables, graphics, animations, forms, HTML 4.0 Transitional Pages and more!

<http://www.arachne4dos.freemove.co.uk>

e-mail to: gm6jag@arrl.net
or: mel@euramcom.freeseve.co.uk

72 & 73 de Mel
GM6JAG
Edinburgh Scotland UK
Home of the last HW9

Date: Sat, 04 Dec 1999 11:00:27 +0000
From: "Mel Evans, Registered Arachne User" <mel@euramcom.freeseve.co.uk>
To: qrp-1@lehigh.edu
Subject: [57303] euramcom website
Message-ID: <E11uCrw-0001MB-00.1999-12-04-10-56-48@cmailg3.svr.pol.co.uk>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gangue,

My euramcom website is being re-furbished at present, but can still be reached at

<http://www.euramcom.freeseve.co.uk>

for European/American equivalent parts and design nomenclature (that's a good word for this time on a Saturday!)

Is there anyone out there in Canada who could check the "US House Wiring" Section and let me know if there are any substantial differences?

Help and Queries on any other sections welcome also.

Regards

Mel

Visit <http://www.santamail.freeseve.co.uk> to send a note to Santa

Arachne, the Internet Suite and "QRP" Browser for DOS, supports tables, graphics, animations, forms, HTML 4.0 Transitional Pages and more!

<http://www.arachne4dos.freeseve.co.uk>

e-mail to: gm6jag@arrl.net

or: mel@euramcom.freeserve.co.uk

72 & 73 de Mel
GM6JAG
Edinburgh Scotland UK
Home of the last HW9

Date: Sat, 04 Dec 1999 05:21:00 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: mgemm@mtechnologies.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57304] Re: Celebrating the new millennium
Message-ID: <3.0.2.32.19991204052100.0079f630@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yep, Folks,

>Make it three-- the new millennium doesn't start till 1/1/01. [g]

Not many have noticed that the first millennium didn't start with the year zero. It started at year 1. Hence, 2001 is the beginning of the 21st century... 8^)...

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 4 Dec 1999 07:33:37 CST
From: John F Rayfield <kr0y@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [57305] Small Wonder Labs DSW rigs
Message-ID: <19991204.073338.3846.0.kr0y@juno.com>

I just ordered a DSW-40, from Small Wonder Labs, and wondering if anyone here on the list has used one of these. If so, what are your thoughts about it - is it a 'decent' rig? Is there anything about it that you especially like? Is there anything about it that you don't particularly like? Is there anything that you'd like to see it do that it doesn't do?

John - KR0Y
Springfield, Missouri

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 04 Dec 1999 08:06:03 -0600
From: "T. E. 'Doc' Drake" <w5tb@SoftHome.net>
To: kr0y@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57306] Re: Small Wonder Labs DSW rigs
Message-ID: <3.0.3.32.19991204080603.040d8c08@pop.SoftHome.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:33 AM 12/4/99 CST, John F Rayfield wrote:
>I just ordered a DSW-40... what are your thoughts
>about it - is it a 'decent' rig?

Hi John

You might enjoy Chucks review :

IN REVIEW: Small Wonders Labs DSW-40 Transceiver
By Chuck Adams,
Special to The ARS Sojourner

http://www.natworld.com/ars/pages/back_issues/0699_text/dsw_40.html
73 T.E. 'Doc' Drake

~~~~~  
FISTS # 5365 QRPARCHI # 3532 ARRL Life member  
hamming since 1959 and it just keeps getting better  
-----

Date: Sat, 4 Dec 1999 08:05:47 -0600  
From: jmbrown@edge.net (JERRY BROWN)  
To: <kr0y@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57307] Re: Small Wonder Labs DSW rigs  
Message-ID: <008701bf3e60\$aa88fc70\$7169cfd8@brown>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

John,

A great little rig...see this month's CQ magazine.

I think it's a building block for greater things on the way from SWL; perhaps, a multiband version. If I could change anything it would be to have a shaft encoder that tuned without the detents...like the one on the K-2 and other synthesized rigs. Also would like variable output power option. Mine puts out over 2 watts. Nice that the rig still works on reduced voltage...to below 9 volts.

I also have the DSW-20.

Jerry N4EO

Columbia, TN

```
=====
> I just ordered a DSW-40, from Small Wonder Labs, and wondering if anyone
> here on the list has used one of these. If so, what are your thoughts
> about it - is it a 'decent' rig? Is there anything about it that you
> especially like? Is there anything about it that you don't particularly
> like? Is there anything that you'd like to see it do that it doesn't do?
>
> John - KR0Y
> Springfield, Missouri
```

-----

Date: Sat, 04 Dec 1999 09:12:00 -0800  
From: Timothy Herron <drboom@bright.net>  
To: "qrp-l@LeHigh.edu" <qrp-l@Lehigh.edu>  
Subject: [57308] 2N2/40 gets "Hearing Aids"  
Message-ID: <38494B60.407F9591@bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

I posted sometime back about a problem that I was having with a "semi deaf" 2N2/40. The problem was identified, and just as I suspected it was builder error (GO FIGURE) !!!!! First let me say thanks to all who replied and as you might guess, none other than Jim Kortge himself was just about the first to jump in with help. Who better to help than the person who designed and built this thing as a winning entry at Dayton. Anywho, on to the problem.....

Problem # 1: 100k resistors where there should have been 10k resistors...DUH!!!

Problem # 2: it does help when you put ALL parts on the board....Double DUH !!!!!

Problem #3: I had a soldering pencil in my hand....they should ban me from such tools, but I'm glad that they haven't.... :-)

Problems # 1&2 have been solved and my 2N2/40 now has hearing aids and does quite well....Problem #3 I believe is a hopeless case and will probably never be solved, Thank Goodness !!!!!

If any of you are even thinking about building the 2N2/40 rig, GO FOR IT !!!!! it's a fun build and let me tell you this much. The guys and gals of this list will help you with any problems that may arise. You can be sure of at least one thing, if no other replies would come your way, you could bet that Jim himself will be there with help.

Thank you Jim and all who replied.

Stay tuned for the next round of stupid mistakes on this builders part, there are sure to be plenty more.

Now where did I put that solder pencil anyway?????

72

Tim Herron NM8Y

QRP-L 2050

Zombie 707

Fists 3404

-----  
Date: Sat, 4 Dec 1999 07:00:01 -0700  
From: "Rod Cerkoney" <rlwc@frii.com>  
To: <kr0y@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [57309] Re: Small Wonder Labs DSW rigs  
Message-ID: <027b01bf3e61\$bbaa83980\$7d8611d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello:

----- Original Message -----

From: John F Rayfield <kr0y@juno.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Saturday, December 04, 1999 6:33 AM

Subject: Small Wonder Labs DSW rigs

> I just ordered a DSW-40, from Small Wonder Labs, and wondering if anyone  
> here on the list has used one of these. If so, what are your thoughts

I like it. Good dollar value, keyer, frequency meter, full band coverage, RIT, good quality parts....

> about it - is it a 'decent' rig? Is there anything about it that you  
> especially like?

Very decent, small size, low current drain, tuning knob detents. Tuning is done via optical encoder, I like the detents to hold a setting when portable. I also like the way the rig powers up at 7040

> Is there anything about it that you don't particularly  
> like? Is there anything that you'd like to see it do that it doesn't do?  
>

Minor nit--keyer doesn't hold speed setting, rig powers up at 15wpm.

Listen for me on 40 in the QRPARI HB Sprint this weekend. There is a good chance I'll be using my DSW-40. Also on Mon in the AR Sprint, I'll be using my DSW.

---

72/3 Rod, N0RC -- Fort Collins, CO

-----

Date: Sun, 5 Dec 1999 08:20:24 -0600  
From: "Nick Kennedy" <nkennedy@cswnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57310] Re: Regen Stuff  
Message-ID: <002201bf3f2b\$f37a85e0\$147054d8@nkennedy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>

> Anyone know where circuits and plans for radios of this sort. I'm itching  
> to test out some ancient tubes I have here.  
>

There's a good article called "Regeneration and Crystal Control" in the October, 1999 QST. A neat little transmitter pictured in the article uses a wooden frame "chassis." Two end pieces and two slats on top. The tube socket mounts between the two slats.

I bought a 1948 (year of my birth) handbook and found the circuit there. There are some interesting "money saving" ideas in the spirit of ham radio in this project. It suggests that the builder might have a receiver that uses a 6F6 or 6V6 audio amplifier stage that's "not needed" for headphone reception. So you just borrow this tube to use in this one tube transmitter. Also, you power the transmitter by plugging an octal connector into the empty hole in the receiver! I thought that was the greatest.

You wind the tank coil by driving seven nails into wood in a 2 inch diameter circle pattern and then winding the coil on the nails.

Some neat insights into construction practices used fifty years ago.

72,

Nick, WA5BDU

(Needless to say, this transmitter is QRP.)

-----  
Date: Sat, 04 Dec 1999 10:57:44 -0500  
From: sergio <sruiz@bright.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [57311] shoot..  
Message-ID: <384939F8.EF93F160@bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

i got everything set up for the dipole... and as with lots of things, when i got out there, and started putting the thing together, i am not going to have enough support to do this right.. i am bummed..

but.. i do have a long wire up, from the tower, to the trees in the back yard... the length on it is somewhere around forty five feet... i can measure it to make sure..

the question i have is... alot of people suggested an end fed zepp.. it seems like i can pull this off pretty easily..

here's my question..

if i use flat ribbon (tv) cable as a feed line, can i feed that directly to my zm-2 tuner, or do i need to add a balun into the mix?

some day, when i design my own house.. my main concerns are gonna be..

setting the place up for antenna installation..

and..

a decent amount of electrical outlets in each room.. like a hundred, maybe..

--

--

peace,

sergio

<http://www.bright.net/~sruiz> <-- The Village Buzz

"quoting other people is really lame and unoriginal" ...sergio

-----

Date: Sat, 4 Dec 1999 07:48:38 -0600

From: "Dan W. Dooley" <dandooley@pipeline.com>

To: <sruiz@bright.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [57312] RE: shoot..

Message-ID: <000201bf3e5e\$4429c7e0\$04987b7b@dooleydw>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 8bit

And, electrical outlets which don't switch OFF when you flip the switch by the door as you leave the room, inadvertantly shutting down everything by that wall outlet ;-)

Dan W. Dooley - WB5TKA          Y2K Complacent

e-mail to: <<mailto:dandooley@pipeline.com>>

Si Hoc Legere Scis Nimium Eruditionis Habes



> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> sergio  
> Sent: Saturday, December 04, 1999 9:58 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: shoot..

>

> a decent amount of electrical outlets in each room.. like a hundred,  
> maybe..

>

-----  
Date: Sat, 4 Dec 1999 10:57:27 -0500

From: w4bws@juno.com

To: nkennedy@cswnet.com

Cc: qrp-1@Lehigh.EDU

Subject: [57313] Re: Regen Stuff

Message-ID: <19991204.111027.-275831.2.w4bws@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

I built this transmitter with a 6V6 TX on 40 meters and the companion 6SN7's regen receiver in 1949. I used the audio amp from a large Silvertone console radio in the living room and plugged the rig into the amp socket for power.

My mother thought I was ingenious for a 9 year old, my dad thought I was just crazy and wanted his radio back. But both were impressed when I got the QSL cards from all over Europe and South America as well as Canada and the USA.

Yep, that forty meter dipole up 55 feet in the tree top at the center worked really fine. My mother didn't like the idea of me climbing up in the tree but I didn't tell her until it was over. Just like a kid.

Don W4BWS

On Sun, 5 Dec 1999 08:20:24 -0600 "Nick Kennedy" <nkennedy@cswnet.com> writes:

>

> There's a good artical called "Regeneration and Crystal Control" in  
> the October, 1999 QST. A neat little transmitter pictured in the  
> article uses a wooden fram "chassis." Two end pieces and two  
> slats on top. The tube socket mounts between the two slats.

> snip

> Some neat insights into construction practices used fifty years ago.

> 72, Nick, WA5BDU

> Snip  
>

Don Sanders W4BWS  
694 E. Eau Gallie Blvd  
Satellite Beach ,FL 32937  
My favorite QRP rig glows in the dark

-----  
Date: Sat, 4 Dec 1999 11:08:24 -0500  
From: Bill B Lazure <n2tpa@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [57314] SAFETY: Re: shoot..  
Message-ID: <19991204.110952.7678.12.N2TPA@juno.com>

Dan and All,

If I may interject a note about safety:

I've found it to be a good idea to have a "Master-Kill" switch available for the shack. We, more than most, are susceptible to electric shock. What we may not know is that by virtue of our being more susceptible, we are putting our family/friends/neighbors at risk.

The usual first reaction a person has when encountering a person being shocked is to pull them off of the source of electricity. This often ends up shocking the "rescuer". Everyone in my household knows that if anything suspicious happens in my shack, they are to cut the power immediately before they go into the shack. I'd be alot more upset if two of us ended up in the hospital than if someone suddenly ended a QSO inadvertently!

No disrespect intended towards Dan. His post just brought the subject to the front (functioning) part of my mind.8>)

73,

Bill  
W2EB

"Dan W. Dooley" writes:  
>And, electrical outlets which don't switch OFF when you flip the switch by the door as you leave the room, inadvertantly shutting down everything by that wall outlet ;-)  
>  
>  
>Dan W. Dooley - WB5TKA           Y2K Complacent

>> -----Original Message-----

>> Sent: Saturday, December 04, 1999 9:58 AM  
>> To: Low Power Amateur Radio Discussion  
>> Subject: shoot..

>> a decent amount of electrical outlets in each room.. like a hundred,  
>> maybe..  
>>  
>

-----  
Why pay more to get Web access?  
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!  
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Sat, 4 Dec 1999 11:50:10 -0500  
From: "Ed Tanton" <n4xy@att.net>  
To: <kr0y@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57315] RE: Small Wonder Labs DSW rigs  
Message-ID: <NBBBJDEEIFDDANGEGHLBOENEHPAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

"Decent" doesn't begin to cover it John... it is nearly incredible. I have a DSW-40, and consider it one of the best QRP rigs I have built/or just bought. I LIKE most the functionality of the 'smart' RIT-you'll have to operate it to see what I mean. I can get to foolin' around listening for things, then return instantly to the freq I was on/and wanted to continue operating on. While the audible freq readout is neat, and works quite well, it is dependent on the CW speed, and takes SOME time no matter what. I would like to see a display. Otherwise, perfectimundo!!!

Worth EVERY penny just like it is. A wonderful rig.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

-----  
Date: Sat, 04 Dec 1999 12:04:14 -0500  
From: david fouchey <dafouchey@home.com>

To: n4xy@att.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57316] Re: Small Wonder Labs DSW rigs  
Message-ID: <3849498E.557A8B0D@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone with experience using their White Mountain SSB kits? Assembly, operability etc.

Dave  
WA4EMR/8

Ed Tanton wrote:

>  
> "Decent" doesn't begin to cover it John... it is nearly incredible. I have a  
> DSW-40, and consider it one of the best QRP rigs I have built/or just  
> bought. I LIKE most the functionality of the 'smart' RIT-you'll have to  
> operate it to see what I mean. I can get to foolin' around listening for  
> things, then return instantly to the freq I was on/and wanted to continue  
> operating on. While the audible freq readout is neat, and works quite well,  
> it is dependent on the CW speed, and takes SOME time no matter what. I would  
> like to see a display. Otherwise, perfectimundo!!!  
>  
> Worth EVERY penny just like it is. A wonderful rig.  
>  
> 72 / 73 Ed N4XY email: <n4xy@arrl.net>  
>  
> webpage: <http://www.qsl.net/n4xy/>

-----

Date: Sat, 4 Dec 1999 09:01:35 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <n4xy@att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57317] RE: Small Wonder Labs DSW rigs  
Message-ID: <000f01bf3e68\$752a71a0\$04987b7b@dooleydw>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

OUTSTANDING! Postman just delivered my DSW-40 kit. Gotta get outa here and go plug in the soldering iron!

Dan W. Dooley - WB5TKA Y2K Complacent  
e-mail to: <mailto:dandooley@pipeline.com>

Si Hoc Legere Scis Nimium Eruditionis Habes

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Ed Tanton  
> Sent: Saturday, December 04, 1999 10:50 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Small Wonder Labs DSW rigs  
>  
>  
> "Decent" doesn't begin to cover it John... it is nearly  
> incredible. I have a  
> DSW-40, and consider it one of the best QRP rigs I have built/or just  
> bought. I LIKE most the functionality of the 'smart' RIT-you'll have to  
> operate it to see what I mean. I can get to foolin' around listening for  
> things, then return instantly to the freq I was on/and wanted to continue  
> operating on. While the audible freq readout is neat, and works  
> quite well,  
> it is dependent on the CW speed, and takes SOME time no matter  
> what. I would  
> like to see a display. Otherwise, perfectimundo!!!  
>  
> Worth EVERY penny just like it is. A wonderful rig.  
>  
> 72 / 73 Ed N4XY email: <n4xy@arrl.net>  
>  
> webpage: <http://www.qsl.net/n4xy/>  
>

-----  
Date: Sat, 4 Dec 1999 11:18:00 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [57318] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.991204110927.30327A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt #10 - K0EVZ -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=7

-----

Jim - N5IB <-  
Butch - N5SMQ  
Bill - NT1R <-  
Joel - KE1LA

BLUE J's:Total=6

-----

John - VE3JC <-  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA

DURHAM MORSE MEN:Total=0

-----

Jim - VE3KQN  
Ken - VE3ELA  
John - VA3JE  
Garry - VE3REP

EMPIRE HOUNDS:Total=7

-----

Dick - K2REB  
Kevin - N2TO  
Mark - N2JTW  
Nick - KF2PH

HOUSTON HOUNDS:Total=25

-----

Bill - K5ZTY <-  
Bill - W5SB  
Terry - KQ5U  
Dan - KK5LD <-

MANGY MUSHERS:Total=21

-----

Pete - NV4V <-  
Paul - VE7CQK <-  
Bruce - N7RR  
Ed - K1VP

NIGHT OWLS:Total=14

-----

Ed - WE6W <-  
Rich - N5JI <-  
Dan - N7CQR  
Ben - NW7DX <-

OKLAHOMA TORNADOS:Total=21

-----

Cliff - AB5UA <-  
Royce - KE5TC <-  
Don - K5AAR <-  
Gody - AC6U

RAIDERS OF THE LOST RF:Total=17

-----

Fred - VE3FAL  
Earl - VE6EWM <-  
Mary - NA6E <-  
Bruce - VE5RC <-

SCATTER SHOT GUNNERS:Total=23

-----

Mike - K1MG <-  
Jack - W5TFB <-  
Stan - N6XU  
Pat - K0PC <-

SFBA FOGHORNS:Total=7

-----

Bob - N6WG <-  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWAMP RATS:Total=28

-----

Tom - N1TP <-  
Mac - AF4PS <-  
Fred - W2XN  
Paul - AJ4Y <-

SWORDS:Total=18

-----

Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM ScQRPion:Total=27"SWEET"

-----

Floyd - NQ7X <-  
Gary - AB7MY <-  
Conard - WS4S <-  
Bob - KI7MN <-

TEXAS TARANTULAS:Total=24

-----

Bill - K5LN <-  
Dave - N5IW  
Bob - AF5Z  
Tom - N5TW

WESTERN WRANGLERS:Total=13

-----

Randy - K7TQ  
Chuck - K7QO  
Steve - WW7Y  
Ron - KU7Y <-

...72 - Bruce(VE5RC+VE5QRP)

TEAM CRAMP.COM:Total=18

-----

OJ - K10J  
George - K5VUU <-  
Mike - K5NZ <-  
Eric - NM5M <-

TESLA'S TERRORS:Total=38"SWEET"

-----

Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-  
Joe - W0JOE <-

UNDERDOGS:Total=33"SWEET"

-----

Roy - AB7CE <-  
Dan - N4ROA <-  
Brian - KB9BVN <-  
Ron - KI0II <-

NORTEX Irregulars:Total=2

-----

Doc - W5TB <-  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

-----  
Date: Sat, 4 Dec 1999 11:38:47 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [57319] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.991204112931.31724A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt #11 - N7RR -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=7      BLUE J's:Total=6

-----  
Jim - N5IB  
Butch - N5SMQ  
Bill - NT1R  
Joel - KE1LA

-----  
John - VE3JC  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA



DURHAM MORSE MEN:Total=0

-----

Jim - VE3KQN  
Ken - VE3ELA  
John - VA3JE  
Garry - VE3REP

HOUSTON HOUNDS:Total=26

-----

Bill - K5ZTY  
Bill - W5SB  
Terry - KQ5U <-  
Dan - KK5LD

NIGHT OWLS:Total=16

-----

Ed - WE6W <-  
Rich - N5JI  
Dan - N7CQR  
Ben - NW7DX <-

RAIDERS OF THE LOST RF:Total=19

-----

Fred - VE3FAL  
Earl - VE6EWM <-  
Mary - NA6E <-  
Bruce - VE5RC <-

SFBA FOGHORNS:Total=18

-----

Bob - N6WG <-  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWORDS:Total=19

-----

Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE

TEAM ScQRPion:Total=31"SWEET"

-----

Floyd - NQ7X <-  
Gary - AB7MY <-  
Conard - WS4S <-

EMPIRE HOUNDS:Total=8

-----

Dick - K2REB  
Kevin - N2TO  
Mark - N2JTW  
Nick - KF2PH <-

MANGY MUSHERS:Total=23

-----

Pete - NV4V  
Paul - VE7CQK <-  
Bruce - N7RR <-  
Ed - K1VP

OKLAHOMA TORNADOS:Total=22

-----

Cliff - AB5UA <-  
Royce - KE5TC  
Don - K5AAR  
Gody - AC6U

SCATTER SHOT GUNNERS:Total=27"SWEET"

-----

Mike - K1MG <-  
Jack - W5TFB <-  
Stan - N6XU <-  
Pat - K0PC <-

SWAMP RATS:Total=30

-----

Tom - N1TP <-  
Mac - AF4PS  
Fred - W2XN  
Paul - AJ4Y <-

TEAM CRAMP.COM:Total=18

-----

OJ - K10J  
George - K5VUU  
Mike - K5NZ  
Eric - NM5M

TESLA'S TERRORS:Total=41

-----

Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-

Bob - KI7MN <-

Joe - W0JOE

TEXAS TARANTULAS:Total=27

UNDERDOGS:Total=36

-----

-----

Bill - K5LN <-

Roy - AB7CE <-

Dave - N5IW <-

Dan - N4ROA <-

Bob - AF5Z <-

Brian - KB9BVN

Tom - N5TW

Ron - KI0II <-

WESTERN WRANGLERS:Total=17

NORTEX Irregulars:Total=2

-----

-----

Randy - K7TQ <-

Doc - W5TB

Chuck - K7Q0

Joe - KK5NA

Steve - WW7Y <-

Don - N5YAK

Ron - KU7Y <-

Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

-----  
Date: Sat, 4 Dec 1999 11:42:36 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [57320] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.991204113923.31724B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...did a typo....the SFBA FOGHORNS should be 17, not 7.....sri....also  
when I have some time off at Christmas, I will be checking the Team logs  
when things are "more quiet" around here...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"  
"I am da man wit "DAH" paddle!"

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt #10 - K0EVZ -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=7      BLUE J's:Total=6

-----

Jim - N5IB <-  
Butch - N5SMQ  
Bill - NT1R <-  
Joel - KE1LA

John - VE3JC <-  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA

DURHAM MORSE MEN:Total=0

EMPIRE HOUNDS:Total=7

-----

-----

Jim - VE3KQN  
Ken - VE3ELA  
John - VA3JE  
Garry - VE3REP

Dick - K2REB  
Kevin - N2TO  
Mark - N2JTW  
Nick - KF2PH

HOUSTON HOUNDS:Total=25

-----  
Bill - K5ZTY <-  
Bill - W5SB  
Terry - KQ5U  
Dan - KK5LD <-

MANGY MUSHERS:Total=21

-----  
Pete - NV4V <-  
Paul - VE7CQK <-  
Bruce - N7RR  
Ed - K1VP

NIGHT OWLS:Total=14

-----  
Ed - WE6W <-  
Rich - N5JI <-  
Dan - N7CQR  
Ben - NW7DX <-

OKLAHOMA TORNADOS:Total=21

-----  
Cliff - AB5UA <-  
Royce - KE5TC <-  
Don - K5AAR <-  
Gody - AC6U

RAIDERS OF THE LOST RF:Total=17

-----  
Fred - VE3FAL  
Earl - VE6EWM <-  
Mary - NA6E <-  
Bruce - VE5RC <-

SCATTER SHOT GUNNERS:Total=23

-----  
Mike - K1MG <-  
Jack - W5TFB <-  
Stan - N6XU  
Pat - K0PC <-

SFBA FOGHORNS:Total=7

-----  
Bob - N6WG <-  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWAMP RATS:Total=28

-----  
Tom - N1TP <-  
Mac - AF4PS <-  
Fred - W2XN  
Paul - AJ4Y <-

SWORDS:Total=18

-----  
Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM CRAMP.COM:Total=18

-----  
OJ - K10J  
George - K5VUU <-  
Mike - K5NZ <-  
Eric - NM5M <-

TEAM ScQRPion:Total=27"SWEET"

-----  
Floyd - NQ7X <-  
Gary - AB7MY <-  
Conard - WS4S <-  
Bob - KI7MN <-

TESLA'S TERRORS:Total=38"SWEET"

-----  
Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-  
Joe - W0JOE <-

TEXAS TARANTULAS:Total=24

UNDERDOGS:Total=33"SWEET"

-----  
Bill - K5LN <-  
Dave - N5IW  
Bob - AF5Z  
Tom - N5TW

WESTERN WRANGLERS:Total=13

-----  
Randy - K7TQ  
Chuck - K7Q0  
Steve - WW7Y  
Ron - KU7Y <-

...72 - Bruce(VE5RC+VE5QRP)

-----  
Roy - AB7CE <-  
Dan - N4ROA <-  
Brian - KB9BVN <-  
Ron - KI0II <-

NORTEX Irregulars:Total=2

-----  
Doc - W5TB <-  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

-----  
Date: Sat, 4 Dec 1999 13:47:29 -0500 (EST)  
From: James Skalski <jskalski@localnet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [57321] ARK-40 pwr plug?  
Message-ID: <Pine.LNX.4.20.9912041343510.615-100000@valhalla.valhalla.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since the topic of coaxial plugs and jacks has come up...  
Does anyone know a source for the style of plugs and jacks used for the  
power connection on the S&S engineering ARK-40 series?

I need to get a connector so I can use the rig in the contest.  
Does radio shack have a compatible plug? If someone has been down this  
road ; I would appreciate the info.

I like the jack that is on the rig. It seems more substantial than others  
that I have used.

73,

Jim n2go

-----  
Date: Sat, 04 Dec 1999 12:26:59 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [57322] Scope manual help  
Message-ID: <38490893.9D86EA5F@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I picked up a working HP 1741A 100 MHz scope today at the hamfest, but  
without manual.

If anyone has info on where I might get a manual, pse reply off-list.

Tnx/72..Roger

--

73, de Roger, N7KT

qrp-1 #62, NorCal #1099, Zombie #006

Mesa, AZ 85202

-----  
Date: Sat, 4 Dec 1999 11:30:05 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Bill B Lazure <n2tpa@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [57323] Re: SAFETY: Re: shoot..  
Message-ID: <Pine.GS0.4.10.9912041124430.18537-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bill and All,

Bill makes a very good point and one that should be considered when "making" a shack.

Here is what I have set up at work.....

3 benches. Each bench has a strip of 117vac plugins.

Each bench has one 4 plex outlet on it's back wall.

There is a switch for each bench that turns the plugin strips off. There is a light aimed up that is on when the strip is on.

No way can I leave the shop and not know that I have something still turned on!

The 4 plex outlets are always on and this is what I keep things like the service monitor plugged into and other items that need to have the xtal ovens hot.

But I'll now get a master switch installed to kill the whole area!

Thanks for moving that idea into the open!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Sat, 04 Dec 1999 10:38:55 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [57324] AL7FS at KL7Y station on Sunday 12/5/99  
Message-ID: <38496DCF.891DF914@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska!

I am going out to KL7Y's (Dan) station tomorrow and try to operate the ARCI contest. I also plan to stay on the air the rest of the day and will be moving bands as the conditions change. I will arrive around 1800-1900z and get operating sometime in that window. I will then operate the four hour ARCI contest and will continue until the bands say to go home. I am off work on Monday so there is no rush...unless Dan kicks me out. I do have an hour drive back home so I won't be getting too ridiculous. (It is only 35 airline miles from my QTH to Dan's but to drive there is 60 miles.)

Here is what I will be operating with...thank you, Dan. (BTW, Dan enhanced, cleaned and upgraded (enlarged) his antenna systems this past summer.) I will be running 5 watts. The noise level out there is zero. S-meter does not move (usually). This could be a chance to work some of you that haven't quite made it to a more standard size station in Alaska.

#### Antennas

10 meters - 3 stacked beams (5 element) top at 125 feet

15 meters - 3 stacked beams (5 element) top at 125 feet

20 meters - 3 stacked beams (5 element-205s) top at 125 feet

40 meters - 3 elements at 160 feet

30 meters - inverted-V (legs E-W) at 140 feet.

I will be keeping the QSOs short as I would like to see how many folks I can work. Those of you that have worked me before know that I am not a high speed contester so speeds will be around 16-18 wpm. I will QRS as needed.



There is a joke up here in Anchorage that if AL7FS goes up to KL7Y's to operate QRP, the bands will die. Let's hope that is not the case. :-)

This could be fun.

Jim

--

73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska <mailto:al7fs@qsl.net>  
ICQ 11022915 (Info at <http://www.icq.com/> )

-----  
Date: Sat, 04 Dec 1999 21:07:53 GMT  
From: "ME Pendergast" <[kt4an@hotmail.com](mailto:kt4an@hotmail.com)>  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [57325] paddles for straight key sender?  
Message-ID: <19991204210753.43771.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hello to all,

I would like to take the time to thank everyone who replied to my question of a couple weeks ago on the best kit to build for a beginner. Now I have a second question: I have decided to join the majority and go with paddles and keyer over a straight key which I have used for years. My key is a real cheapy and I would like to improve the quality of keys when I change to a paddle. Question 1: Should I begin learning to use paddles on a small set (ie. Bulldog or MK-44) or should I go with something larger like the Bencher or others? Question 2: What would be the best paddles to learn on and the best paddles quality for the price? I plan to use a TiCK keyer or the built-in keyer on the DSW and plan to operate portable part-time. I certainly value the opinions I have received from the newsgroup and look forward to reading your advice.

Thanks again for all the help in getting a new qrper going.

Mike KT4AN  
[kt4an@hotmail.com](mailto:kt4an@hotmail.com)

-----  
Get Your Private, Free Email at <http://www.hotmail.com>  
-----

Date: Sat, 04 Dec 1999 14:46:21 +0000  
From: Roger Hightower <[n7kt@earthlink.net](mailto:n7kt@earthlink.net)>  
To: QRP-L <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [57326] Re: Scope manual help



Date: Sat, 4 Dec 1999 17:22:40 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [57328] Re: SAFETY: Re: shoot..  
Message-ID: <00aa01bf3ea6\$14c7e0c0\$48f0fea9@dads-hp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ron,

Did you wire the three circuits all on a single leg of the house  
220/110 feed or not? Did you care?

The reason I ask, is that if you wire it off opposing legs, then  
you have 220 between hots. It's not a big deal, but if by chance  
you get hot to hot between the benches, it's 220 now  
between them, not a common 110.

On the other hand, I've seen setups where that is done  
INTENTIONALLY (although I don't know what the electrical  
code says about that) so that the guy could make up a wierd  
TWO-AC-PLUG cord for his amp and now have a 220 feed  
for it without running 220 to the room. I'm sure that violates  
code, but I don't know about having opposing legs to wall  
outlets in one room.

Mike

>Hi Bill and All,  
>  
>Bill makes a very good point and one that should be considered  
>when "making" a shack.  
>  
>Here is what I have set up at work.....  
>  
>3 benches. Each bench has a strip of 117vac plugins.  
>  
>Each bench has one 4 plex outlet on it's back wall.  
>  
>There is a switch for each bench that turns the plugin  
>strips off. There is a light aimed up that is on when  
>the strip is on.  
>  
>No way can I leave the shop and not know that I have  
>something still turned on!

>  
>The 4 plex outlets are always on and this is what I keep  
>things like the service monitor plugged into and other items  
>that need to have the xtal ovens hot.  
>  
>But I'll now get a master switch installed to kill the  
>whole area!  
>  
>Thanks for moving that idea into the open!  
>  
>73, Ron

-----  
Date: Sat, 4 Dec 1999 14:39:10 -0800  
From: "Tom Scott" <tscott@eni.net>  
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>  
Subject: [57329] Air Variable Cap kits?...  
Message-ID: <000201bf3ea8\$670b87e0\$e5543604@wyle.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does anyone out there know of any remaining supplier that either makes air cap kits or custom air caps?

Alternatively my Dad tells me that he remembered an advertiser in the back of QST who offered air caps that were assembled in such a way that it looked like the rotor plates might be taken apart.

I have a project that could use a quad section air cap made up of two isolated dual differential air caps. Low voltage receiver size is adequate. If I could find one that can be taken apart and put back together differential style, that would work. Failing that, I guess I can make one from scratch, just a lot of work.

(Anyone care to hazard a guess what that'd be for?)

- Tom

\_\_\_\_\_  
?Tom Scott - Wyle Electronics - KD7DMH  
10300 SW Nimbus Ave #PB, Portland, OR 97223  
503-603-1931 - Tel 503-684-6620 - Fax  
503-703-2032 - Cell  
\_\_\_\_\_

-----  
Date: 4 Dec 99 22:40:58 America/Fort\_Wayne  
From: M Goins <mgoins@usa.net>  
To: qrp-1@Lehigh.EDU  
Subject: [57330] WTB: Remote Antenna Switch  
Message-ID: <19991204224058.29732.qmail@aw163.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Still gathering together things for the new quad and need a remote antenn=  
a  
switch. Prefer the Ameritron that has the 12 v going up the shield but if=  
anyone has a remote switch, let's talk.

Mike  
wb5yjx

-----  
Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

-----  
Date: Sat, 4 Dec 1999 18:04:30 EST  
From: GElam30092@aol.com  
To: rwc@frii.com, qrp-1@lehigh.edu  
Subject: [57331] Re: Small Wonder Labs DSW rigs  
Message-ID: <0.c478773d.257af7fe@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

In a message dated 12/4/99 7:15:04 AM US Mountain Standard Time, rwc@frii.com writes:

<< Very decent, small size, low current drain, tuning knob detents.  
Tuning is done via optical encoder, I like the detents to hold a  
setting when portable. I also like the way the rig powers up at 7040 >>

And if you're a lazy bugger like me, Dave will sell you an N/T+ option to  
power up at 7100 also.

Cheers,  
Gerry Elam, K1LR0/7  
PHX AZ

-----  
End of QRP-L Digest 1659  
\*\*\*\*\*  
-----